

CLAIMS

- 5 1. Transceiver device (1) adapted for transfer of data packets and comprising measuring means for measuring a value which corresponds to the quality of said transfer, which measured value is used to make decisions concerning said transfer, characterized in that said transceiver device (1) includes rate changing means for changing the transfer rate of said data packet transfer depending on said decision.
- 10 2. Transceiver device (1) according to claim 1, characterized in that the transceiver device (1) comprises a decision means for the decision made at the transceiver device (1), which is carried out as a comparison between said measured value and a predetermined threshold value.
- 15 3. Transceiver device (1) according to claim 1, characterized in that the transceiver device (1) is used in a mobile phone system (cellular phone system) or a mobile data system.
- 20 4. Transceiver device (1) according to claim 1, characterized in that the transceiver device (1) is used for the Mobitex system.
- 25 5. Transceiver device (1) according to claim 1, characterized in that the transceiver device (1) comprises selecting means for selecting one of the three data transmission rates low, default or high.
- 30 6. Transceiver device (1) according to claim 5, characterized in that low data transmission rate corresponds to 25% of default data transmission rate, and that high data transmission rate corresponds to 600% of default data transmission rate.

7. Transceiver device (1) according to claim 1, characterized in that a timer is used at the transceiver device (1), said timer indicating whether it is still suitable to use a data transmission rate separate from the default data transmission rate, i.e. if the timer has not expired when a new message is about to be sent, the same data transmission rate is used as last time.

8. Transceiver device (1) according to claim 1, characterized in that a wireless packet data network is combined with a wire-bound network.

9. Transceiver device (1) according to claim 1, characterized in that the transceiver device (1) is a base station (1).

10. Mobile terminal (4) adapted for transfer of data packets to and from a transceiver device (1) which comprises equipment for measuring a value which corresponds to the quality of said transfer, which measured value is used to make decisions concerning said transfer, characterized in that said mobile terminal (4) is adapted for changing the transfer rate of said data packet transfer depending on said decision.

11. Mobile terminal (4) according to claim 10, characterized in that the mobile terminal (4) is used in a mobile phone system (cellular phone system) or a mobile data system.

12. Mobile terminal (4) according to claim 10, characterized in that the mobile terminal (4) is used for the Mobitex system.

13. Mobile terminal (4) according to claim 10, characterized in that the Mobile terminal (4) comprises selecting means for selecting one of the three data transmission rates low, default or high.

14. Mobile terminal (4) according to claim 13, characterized in that low data transmission rate corresponds to 25% of default data transmission

rate, and that high data transmission rate corresponds to 600% of default data transmission rate.

5 15. Mobile terminal (4) according to claim 10, characterized in that a wireless packet data network is combined with a wire-bound network.

16. Mobile terminal (4) according to claim 1, characterized in that the mobile terminal (4) is a mobile phone (cellular phone).

10 17. Method for transfer of data packets between a first transceiver (1), and a second transceiver (4), said method comprising:

measuring, in said first transceiver (1), a value corresponding to the quality of said transfer

characterized in that it comprises

15 comparing, in said first transceiver (1), said measured value with a predetermined threshold value, and

adapting the transmission rate of said transmission depending on whether said measured value exceeds said threshold value.

20 18. Method according to claim 17, characterized in that the method is used in a mobile phone system (cellular phone system) or a mobile data system.

25 19. Method according to claim 17, characterized in that the method is used for the Mobitex system.

20. Method according to claim 17, characterized in that it comprises means for selecting one of the three data transmission rates low, default or high.

30 21. Method according to claim 20, characterized in that low data transmission rate corresponds to 25% of default data transmission rate, and

that high data transmission rate corresponds to 600% of default data transmission rate.

22. Method according to claim 17, characterized in that it
5 comprises increasing the amount of error-correcting codes when the data transmission rate is decreased.

23. Method according to claim 17, characterized in that it
10 comprises extending a transmission in time when doing a retransmission of a data block that has been considered as erroneous using a lower data rate.

24. Method according to claim 17, characterized in that it
15 comprises including information whether the second transceiver (4) is capable of data transmission rates separate from the default data transmission rate in the subscriber information.

25. Method according to claim 17, characterized in that it
20 comprises stating in the first data block which data transmission rate that is used for the following data blocks for all transmissions from the first transceiver (1) to the second transceiver (4).

26. Method according to claim 17, characterized in that it
25 comprises performing measurements of transfer quality at the first transceiver (1) during all receptions from the second transceiver (4).

27. Method according to claim 17, characterized in that it
30 comprises using a timer at the first transceiver, said timer indicating whether it is still suitable to use a data transmission rate separate from the default data transmission rate, i.e. if the timer has not expired when a new message is about to be sent, the same data transmission rate is used as last time.